

## PRESS DEVICE

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### Abstract of JP2000218395

**PROBLEM TO BE SOLVED:** To provide a press device for fixed point processing with high processing accuracy and a long life.

**SOLUTION:** This device comprises a substrate 1 formed into a flat shape, a guide bar 2 whose one end is crossed with the substrate at a right angle, a support plate 3 which is arranged at the other end of the guide bar in a manner to cross with the guide bar at a right angle and is formed into a flat shape, a screw axis 5 which is supported to the support plate in parallel to the guide bar rotatably in normal and reverse directions, a movable element 7 which is fitted with the guide bar movably in the axial line direction, a nut member 8 which is formed into a hollow cylindrical shape in a manner to be screwed with the screw axis and has a differential moving male thread 13 on the outer periphery, a differential moving member 14 which is formed into a hollow cylindrical shape, has a differential moving female thread 15 to be screwed with the differential moving male thread on an inner periphery and is rotatably formed in the movable element, and a worm wheel 16 which is fixed to the differential moving member and fitted with a worm wheel 17.

